

Title (en)
VASCULARIZATION ENHANCED GRAFT CONSTRUCTS

Title (de)
DURCH VASKULARISIERUNG VERSTÄRKTE PROTHESENKONSTRUKTE

Title (fr)
VASCULARISATION AMELIOREE PAR DES CONSTRUCTIONS DE GREFFE

Publication
EP 1503789 A2 20050209 (EN)

Application
EP 03747631 A 20030501

Priority

- US 0313555 W 20030501
- US 37756502 P 20020502

Abstract (en)
[origin: WO03092604A2] A tissue graft construct for use in repairing diseased or damaged tissues is provided. The tissue graft construct comprises a matrix composition selected from the group consisting of liver basement membrane and extracts and hydrolysates thereof, and processed collagen from vertebrate non-submucosal sources, added endothelial cells, and at least one additional preselected, exogenous population of cells which enhance the initiation of vessel-like structures in the graft.. The preselected population of cells can be a population of non-keratinized or keratinized epithelial cells or a population of mesodermally derived cells selected from the group consisting of fibroblasts, smooth muscle cells, skeletal muscle cells, cardiac muscle cells, multi-potential progenitor cells, pericytes, osteogenic cells, and any other suitable cell type, preferably selected based on the tissue to be repaired. Methods for enhancing the vascularization in vivo of these tissue graft constructs and for preparing these graft constructs are also provided.

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A61K 38/43; **A61K 9/00**; **C12N 9/00**

IPC 8 full level
A61K 38/43 (2006.01); **C12N 5/07** (2010.01); **A61K 9/00** (2006.01); **A61K 35/34** (2015.01); **A61L 27/00** (2006.01); **A61L 27/38** (2006.01); **C12N 5/074** (2010.01); **C12N 9/00** (2006.01)

CPC (source: EP US)
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